

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1.-22. Canceled.

23. (Currently Amended) A method for producing a rigid polyurethane foam, which comprises reacting a polyol with a polyisocyanate in the presence of an amine catalyst and blowing agent, wherein as the amine catalyst, at least one amine compound selected from the group consisting of N-acetylenediamine, N,N,N'-trimethyldiethylenetriamine, N,N,N',N''-tetramethyltriethylenetetramine, N,N,N',N'',N'''-pentamethyltetraethylenepentamine, N,N,N',N'',N''',N''''-hexamethylpentaethylenehexamine, ~~trimethylethylenediamine~~, trimethylpropylenediamine, trimethylhexamethylenediamine, tetramethyldiethylenetriamine, bis(N,N-dimethylaminopropyl)amine, N-methylpiperazine; N,N-dimethylaminoisopropanol, N,N-dimethylaminoethoxyethanol, N,N-dimethylaminoethyl-N'-methylaminoethanol, N,N-dimethylaminopropyl-N'-methylaminoethanol, N,N,N'-trimethyl-N'-hydroxyethylbisaminoethyl ether, N,N-dimethylaminoethyl-N'-methylaminoethyl-N''-methylaminoisopropanol, N,N-bis(3-dimethylaminopropyl)-N-isopropanolamine, N-(3-dimethylaminopropyl)-N,N-diisopropanolamine, N-(2-hydroxyethyl)-N'-methylpiperazine, and 5-dimethylamino-3-methyl-1-pentanol and

the blowing agent is 1,1,1,3,3-pentafluoropropane (HFC-245fa).

24.-28. Canceled.

29. (Previously Presented) The method for producing a rigid polyurethane foam according to Claim 23, wherein the blowing agent and water are used in combination.

30. (Previously Presented) The method for producing a rigid polyurethane foam according to Claim 23, wherein the amine catalyst is used in an amount of from 0.01 to 20 parts by weight per 100 parts by weight of the polyol.

31. (Previously Presented) The method for producing a rigid polyurethane foam according to Claim 23, wherein the reaction is carried out by adding a surfactant as an auxiliary agent.

32. (Previously Presented) The method for producing a rigid polyurethane foam according to Claim 23, wherein the reaction is carried out by adding a cross-linking agent or a chain extender as an auxiliary agent.

33. (Previously Presented) The method for producing a rigid polyurethane foam according to Claim 23, wherein the reaction is carried out by adding a flame retardant as an auxiliary agent.

34. (New) A method for producing a rigid polyurethane foam according to claim 23, wherein the amine compound is selected from the group consisting of N-acetylenediamine, N,N,N'-trimethyldiethylenetriamine, N,N,N',N''-tetramethyltriethylenetetramine, N,N,N',N'',N'''-pentamethyltetraethylenepentamine, N,N,N',N'',N''',N''''-hexamethylpentaethylenehexamine, and N,N-dimethylaminoethyl-N'-methylaminoethanol.